

## CLAIMS

### What is claimed is:

1. A speaker housing comprising:

a main housing wall forming an enclosed cavity;

a mounting lip extending inside the enclosed cavity;

a support member extending downwardly from the mounting lip;

a motor assembly housing connected to the support member; and

a dual sided connector located on an outside surface of the main housing wall.

2. The speaker housing of claim 1 further comprising an installation member extending outwardly from the enclosed cavity.

3. The speaker housing of claim 2 further comprising at least one mounting aperture in the installation member.

4. The speaker housing of claim 1 where the support member includes a plurality of apertures.

5. The speaker housing of claim 1 where the motor assembly includes a loudspeaker magnet housing.

6. The speaker housing of claim 1 where the motor assembly includes a loudspeaker back plate housing.

7. The speaker housing of claim 6 where the back plate housing includes a rear vent aperture.

8. The speaker housing of claim 1 where the dual sided connector includes at least two connection members.

5 9. The speaker housing of claim 8 where each of the connection members include a cavity that extends inwardly a predetermined distance inside the dual sided connector.

10. The speaker housing of claim 8 where each of the connection members include at least two conductive leads that extend to both sides of the dual sided connector.

10 11. The speaker housing of claim 10 where each of the conductive leads extend a predetermined distance to extrude outside the main housing wall toward the inside of the enclosed cavity.

15 12. The speaker housing of claim 10 where each of the conductive leads extend upwardly a predetermined distance outside the mounting lip.

13. A speaker housing comprising:

20 a main housing wall having an upper wall point and a lower wall point, the main housing wall forming an enclosed cavity having a predefined geometric shape;

a mounting lip extending inwardly a predetermined distance toward a central axis of the enclosed cavity, where the mounting lip extends inwardly from the upper wall point;

a support member extending downwardly from an outer edge of the mounting lip to connected to a motor assembly housing; and

25 a dual sided connector formed on an outside surface of the main housing wall.

14. The speaker housing of claim 13 further comprising an installation member extending outwardly a second predetermined distance away from the central axis of the enclosed cavity, where the installation member extends away beginning at about the lower wall point.

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15. The speaker housing of claim 14 further comprising at least one mounting aperture in the installation member.

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16. The speaker housing of claim 13 where the support member includes a plurality of apertures.

17. The speaker housing of claim 13 where the motor assembly housing includes a loudspeaker magnet housing.

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18. The speaker housing of claim 13 where the motor assembly housing includes a loudspeaker back plate housing.

19. The speaker housing of claim 18 where the back plate housing includes a rear vent aperture.

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20. The speaker housing of claim 13 where the dual sided connector includes a first connection member and a second connection member.

21. The speaker housing of claim 20 where each of the first and second connection

members include a cavity that extends inwardly a predetermined distance from opposite sides of the dual sided connector.

22. The speaker housing of claim 20 where each of the first and second connection members share at least two conductive leads that extend to both sides of the dual sided connector.

23. The speaker housing of claim 22 where each of the at least two conductive lead extend a predetermined distance outside the main housing wall toward the central axis.

24. The speaker housing of claim 22 where each of the at least two conductive leads extend upwardly a predetermined distance outside the mounting lip.

25. A speaker housing comprising:

means forming an enclosed cavity;

means formed at an upper portion of the housing means extending inside the housing means towards a central axis of the enclosed cavity;

means extending downwardly from the mounting means coupled with a motor assembly housing; and

means attached to an outside surface of the housing means for providing a dual sided electrical connection site on the speaker means.

26. The speaker housing of claim 25 where the housing means comprises a main housing wall having an upper wall point and a lower wall point.

27. The speaker housing of claim 25 where the mounting means comprises a mounting lip extending inwardly a predetermined distance toward the central axis of the enclosed cavity.

5 28. The speaker housing of claim 25 where the support means comprises a support member extending downwardly from an outer edge of the mounting means to the motor assembly housing.

10 29. The speaker housing of claim 25 where the connection means comprises a dual sided connector that includes at least two connection members having conductive leads extending across both sides of the dual sided connector.

30. A speaker assembly comprising:

15 a speaker housing including a main housing wall, a mounting lip, a support member, a motor assembly housing and a dual sided connector;

a loudspeaker including a frame having a lip, a motor assembly and a pair of flexible conductive leads;

where the lip of the frame of the loudspeaker is positioned on the mounting lip of the speaker housing;

20 where the motor assembly of the loudspeaker is positioned in the motor assembly housing of the speaker housing; and

where the dual sided connector has a first connecting end and a second connecting end, where the dual sided connector includes a pair of conductive leads that are connected to the pair of flexible conductive leads of the loudspeaker, where the pair of conductive leads

extend to about the first connecting end and the second connecting end of the dual sided connector.

31. A speaker assembly having a loudspeaker installed in a speaker housing comprising:

5 means for supporting a lip of a frame of the loudspeaker with a main housing wall included in the speaker housing;

means for supporting a motor assembly included in the loudspeaker within the main housing wall of the speaker housing; and

10 means for providing a dual sided connection between an amplifier output clip from an amplifier and the speaker housing.

32. A speaker housing comprising:

a housing wall;

15 a dual sided connector having a first connector and a second connector at opposite ends of the dual sided connector; and

where either of the first and second connector are configured to receive an amplifier output clip.